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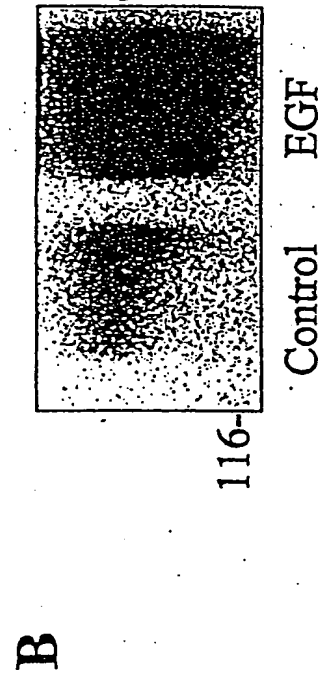
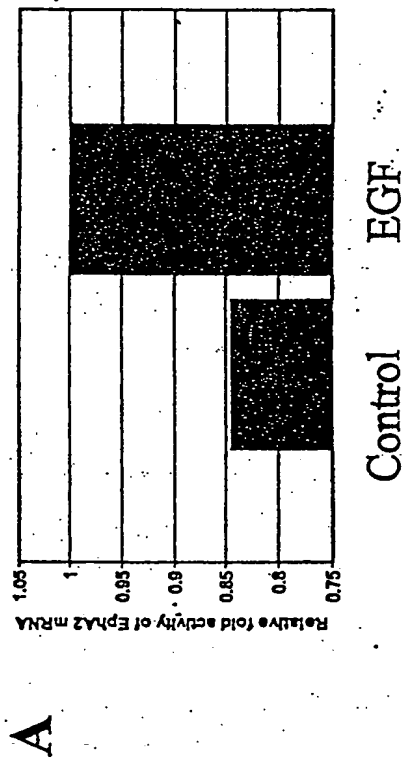


FIG. 1

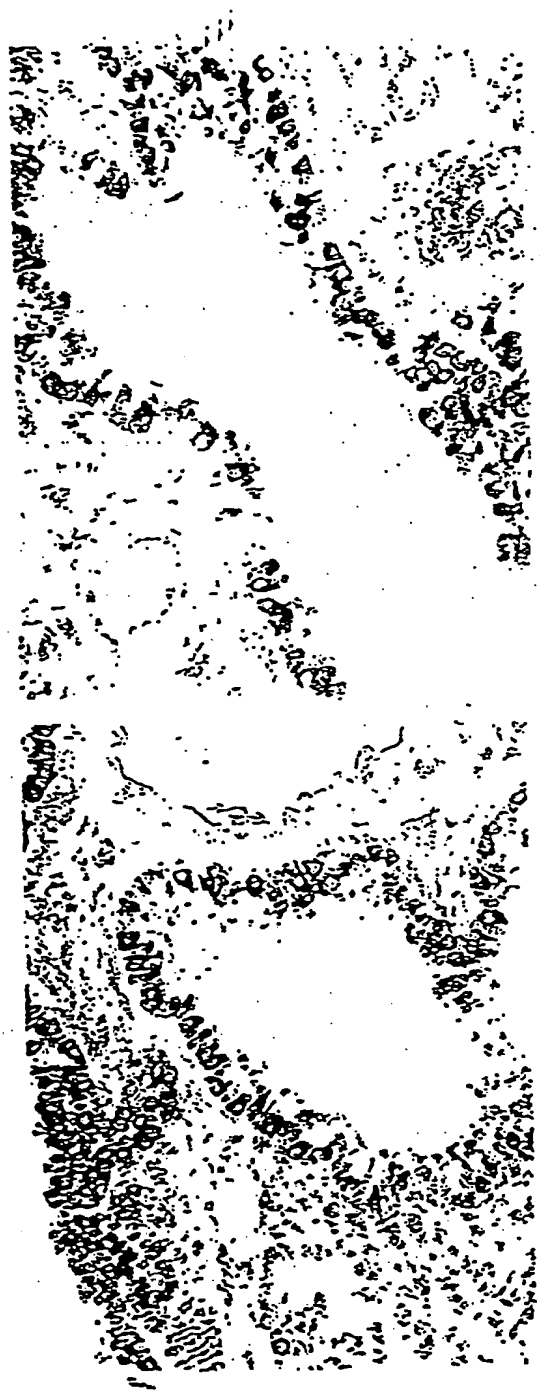


FIG. 2A

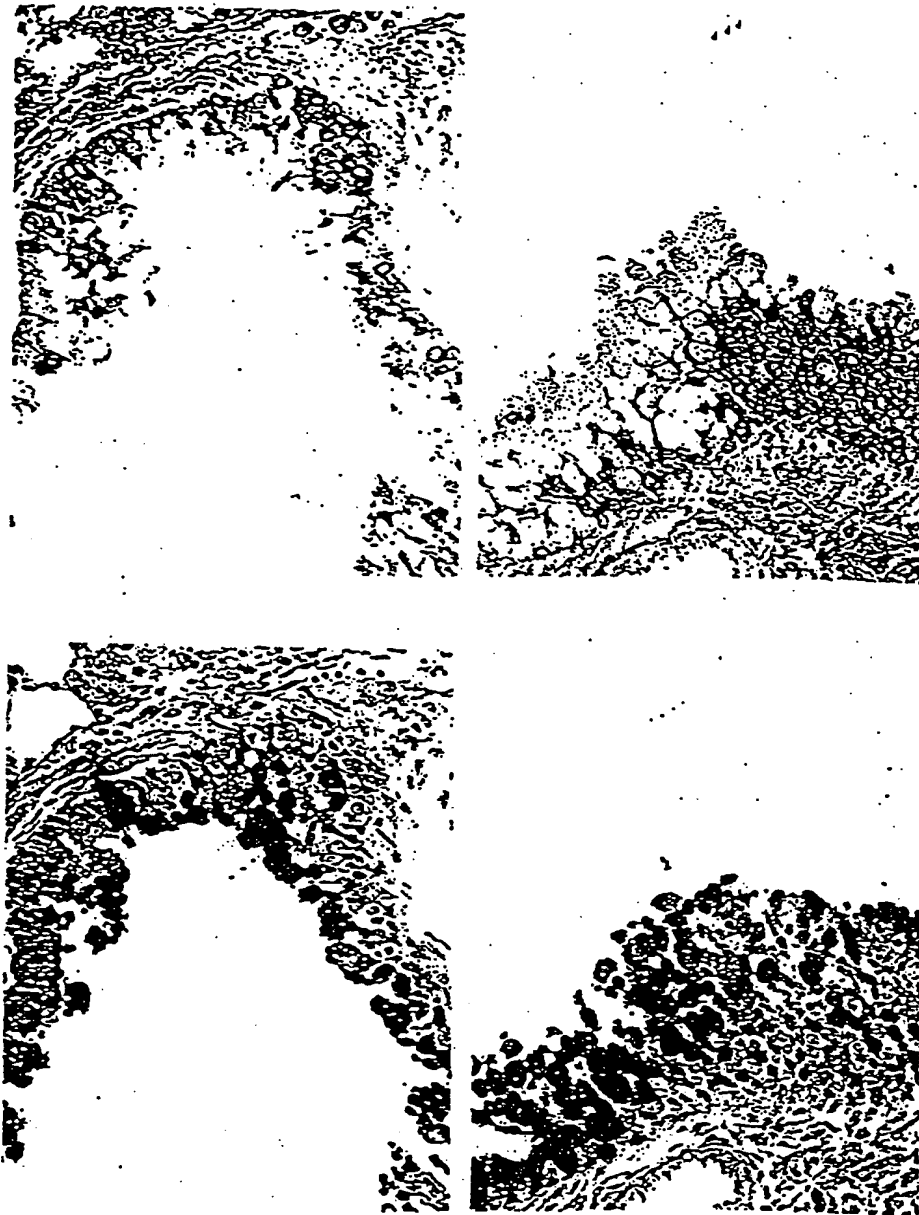


FIG. 2B

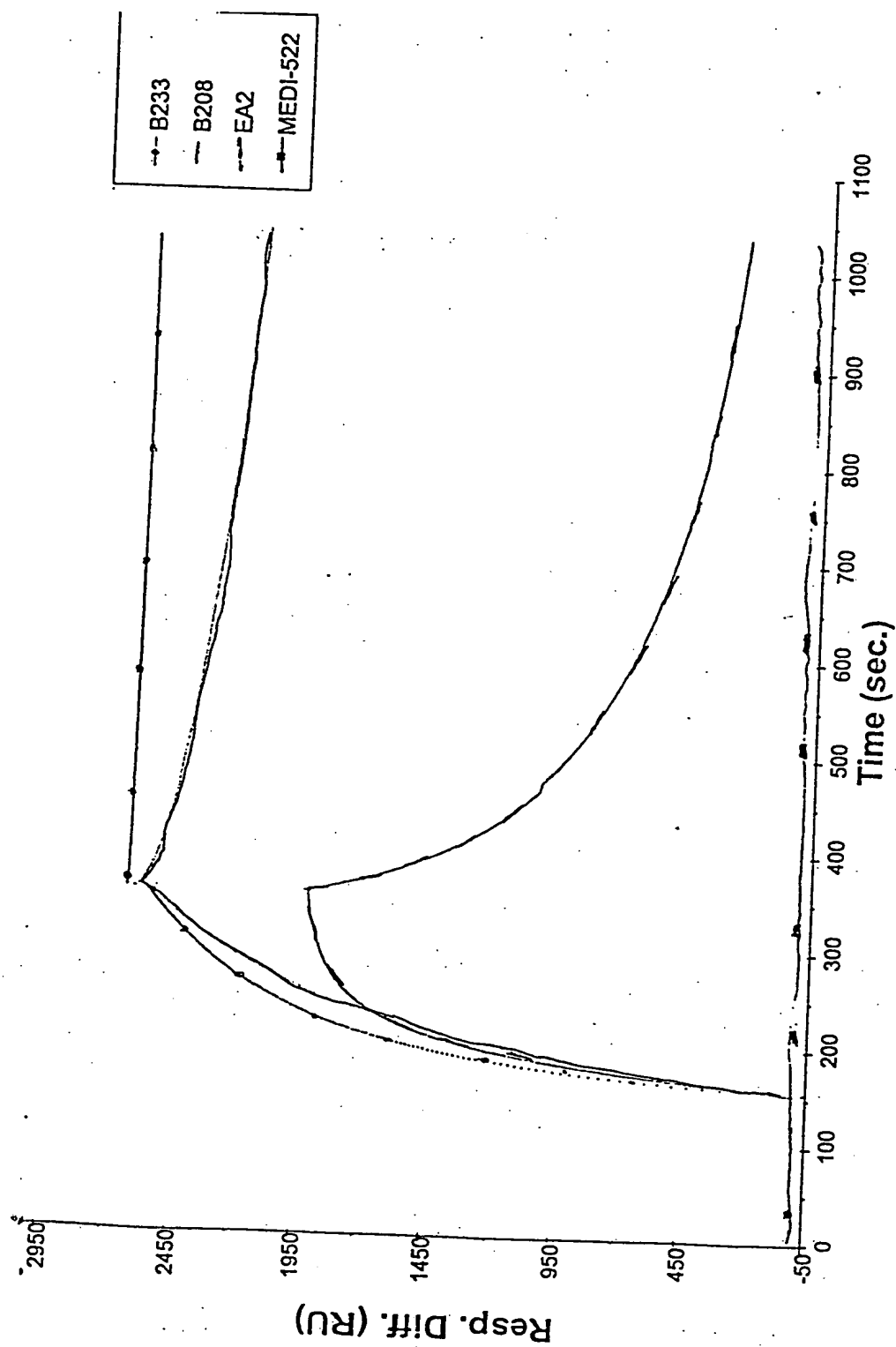


FIG. 3

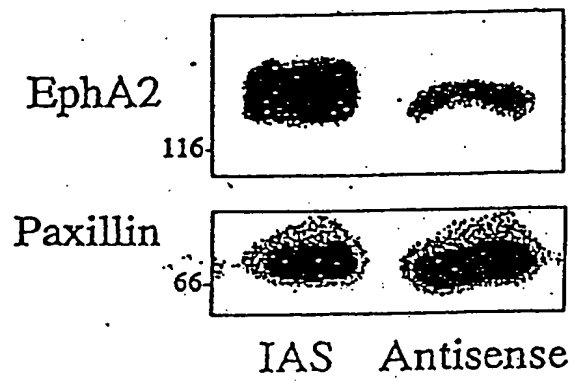


FIG. 4

## Anti-EphA2 Variable Light and Variable Heavy Chain Sequence

VL  
QIVLTQSPALMSAPGKVTWTCSSASSVSMY-----CDR1-----  
DIVLTQSPATLSVTPGDSVNLSCRAQSISNNLHWYQKSHESPRLLIAVTFQSIGIPSRFSGSGSGTDFTLSINSVETEDFGMYFCQQSNSWPLTFGAGTKLELK  
-----CDR2-----  
-----CDR3-----  
208  
233

VH  
QVQLQQPGAELVKPGASVKLSCKASGTFITSYWVHWVKORPGQGLEWIGMIHPNSGNTYNEKFKS-----CDR1-----  
EVKLVEGGGLVQPGGSLSLSCAASGFTFDYSNMWVRQPPGKALEWLCFIRKANDVTTEYSASVYKGRFTISRDNSQSIYLQMNALRAEDSATYTCVRYPRYHAMDSWGQGTSTVTVSS  
-----CDR2-----  
-----CDR3-----  
208  
233

FIG. 5

# Altered Adhesion and Signaling in Transformed Epithelia

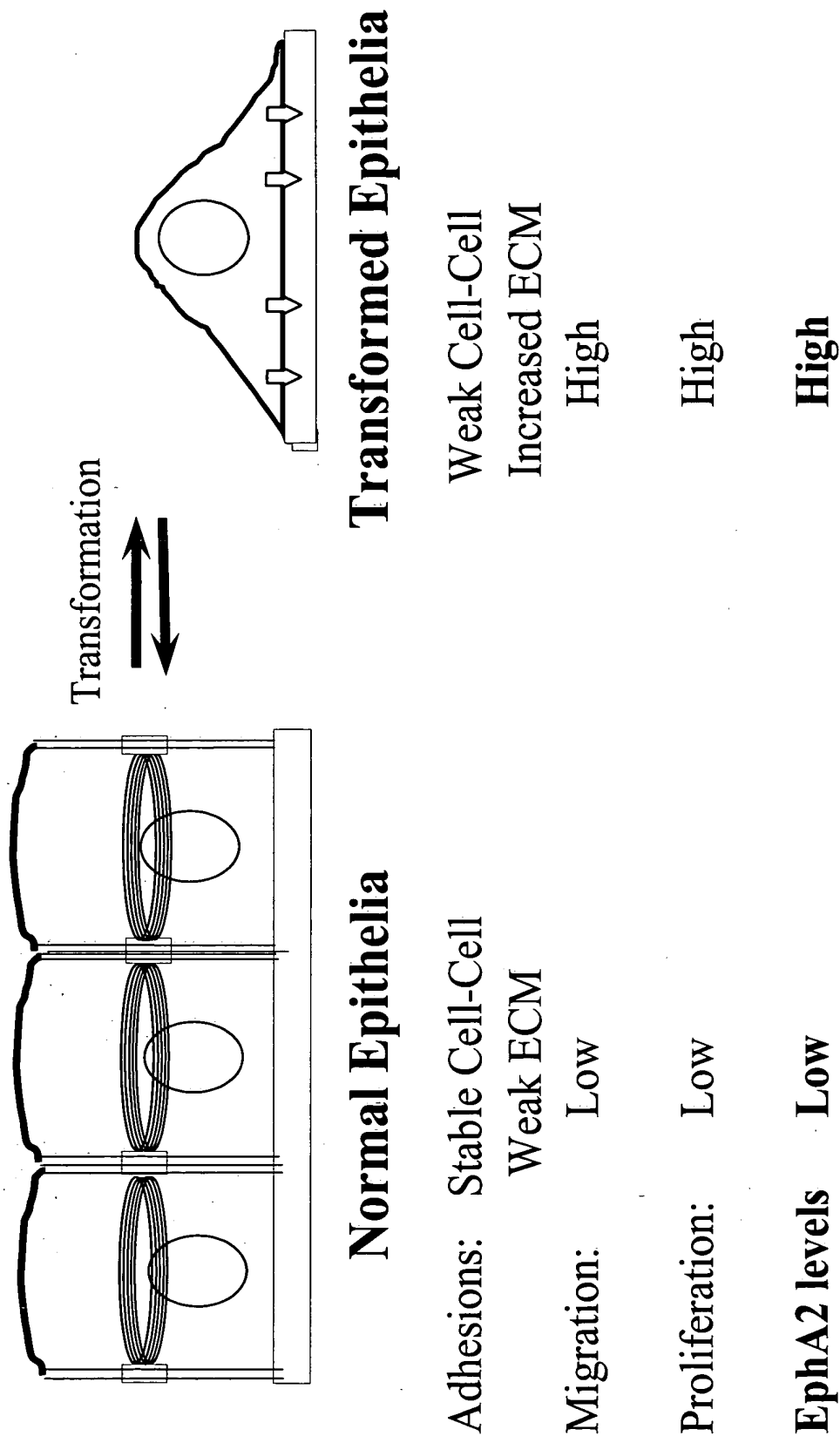
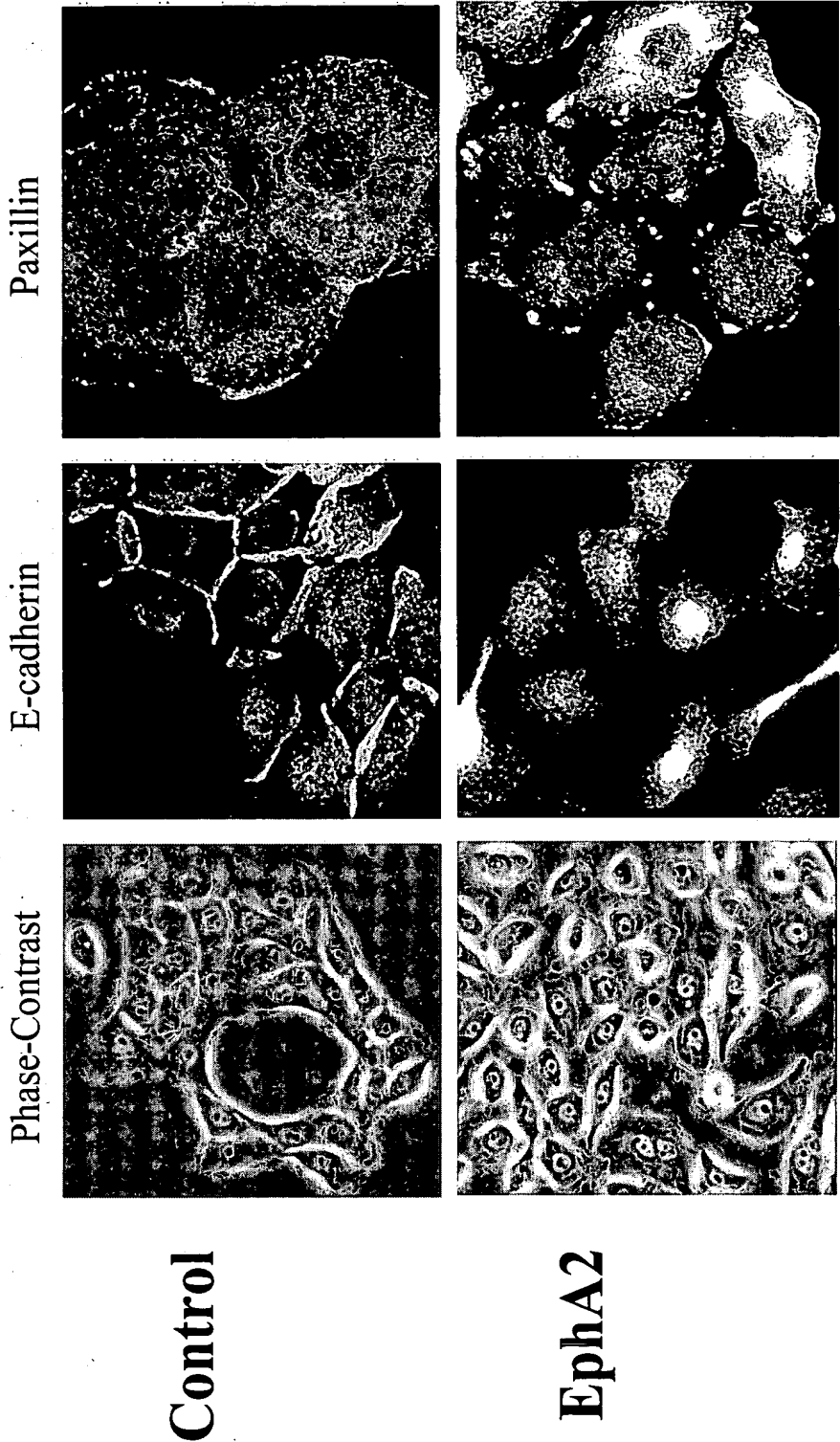


FIG. 6



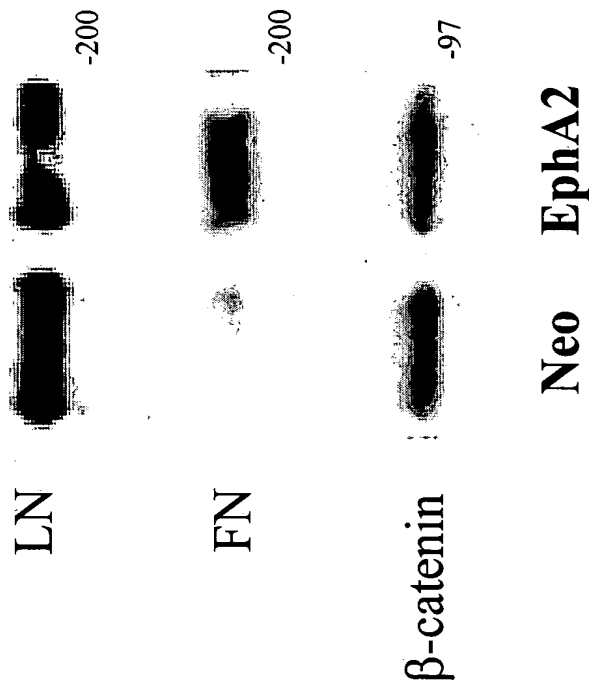
Upregulation of EphA2 alters adhesion  
properties of epithelium



MCF10A mammary epithelium

FIG. 7

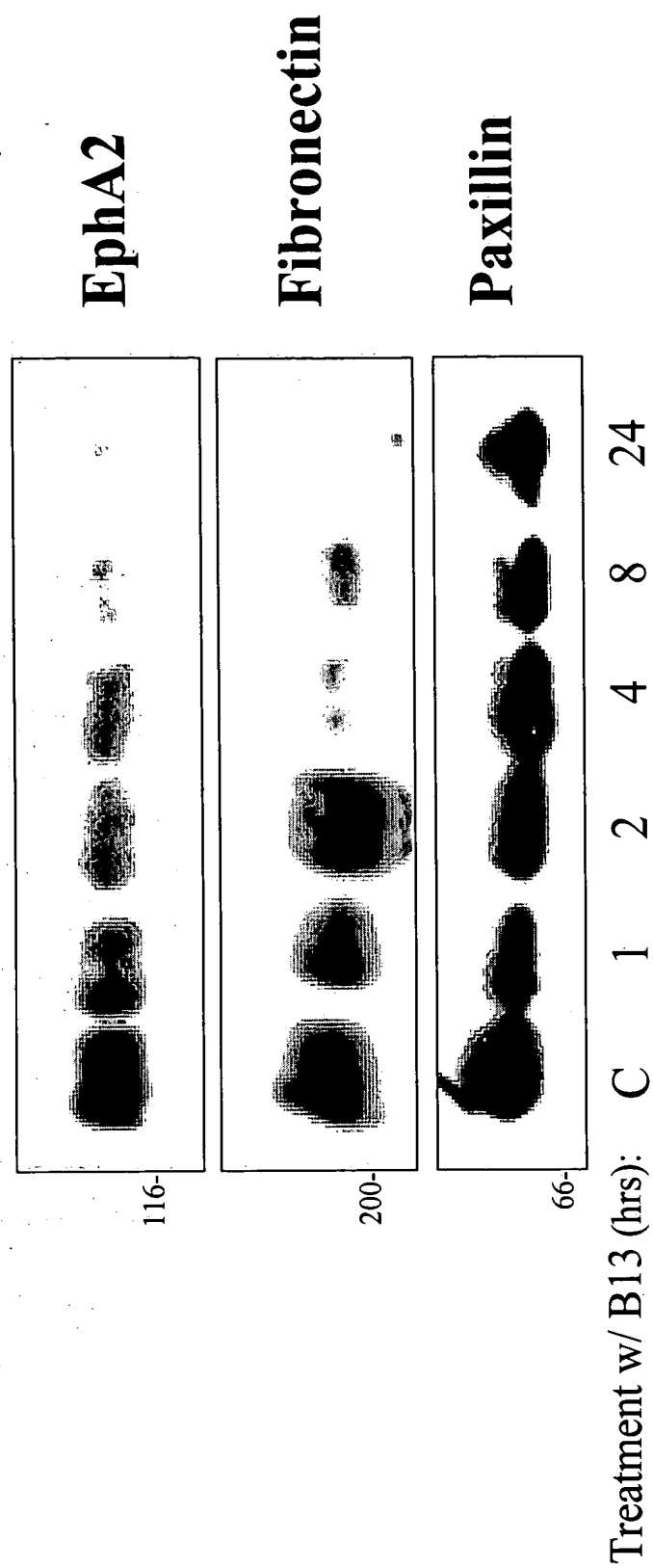
# High Levels of Fibronectin in EphA2-Overexpressing Cells



MCF10A mammary epithelium

FIG. 8

# EphA2 Antibodies Induce Fibronectin Degradation

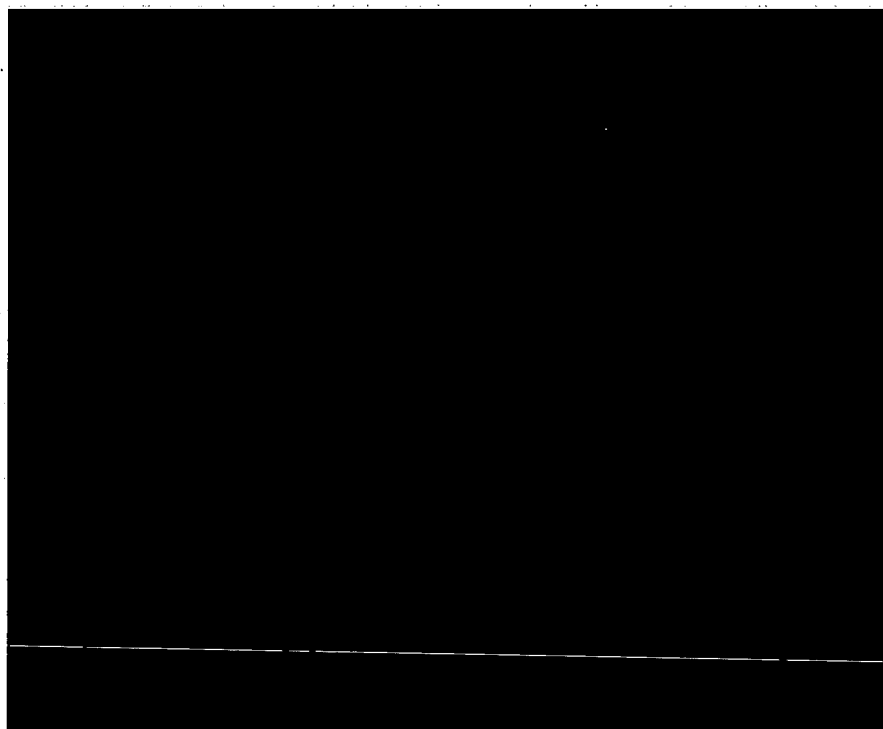


MDA-MB-231 breast carcinoma

FIG. 9

# Changes in Cellular Morphology and P-Tyr Localization

Control



Bleomycin



(Beas2B cells +/- 24 hour exposure to 25mU/ml bleomycin)

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FIG. 10

Presence of focal adhesions in bleomycin  
treated cells



# Bleomycin-damaged epithelium secretes IL-8

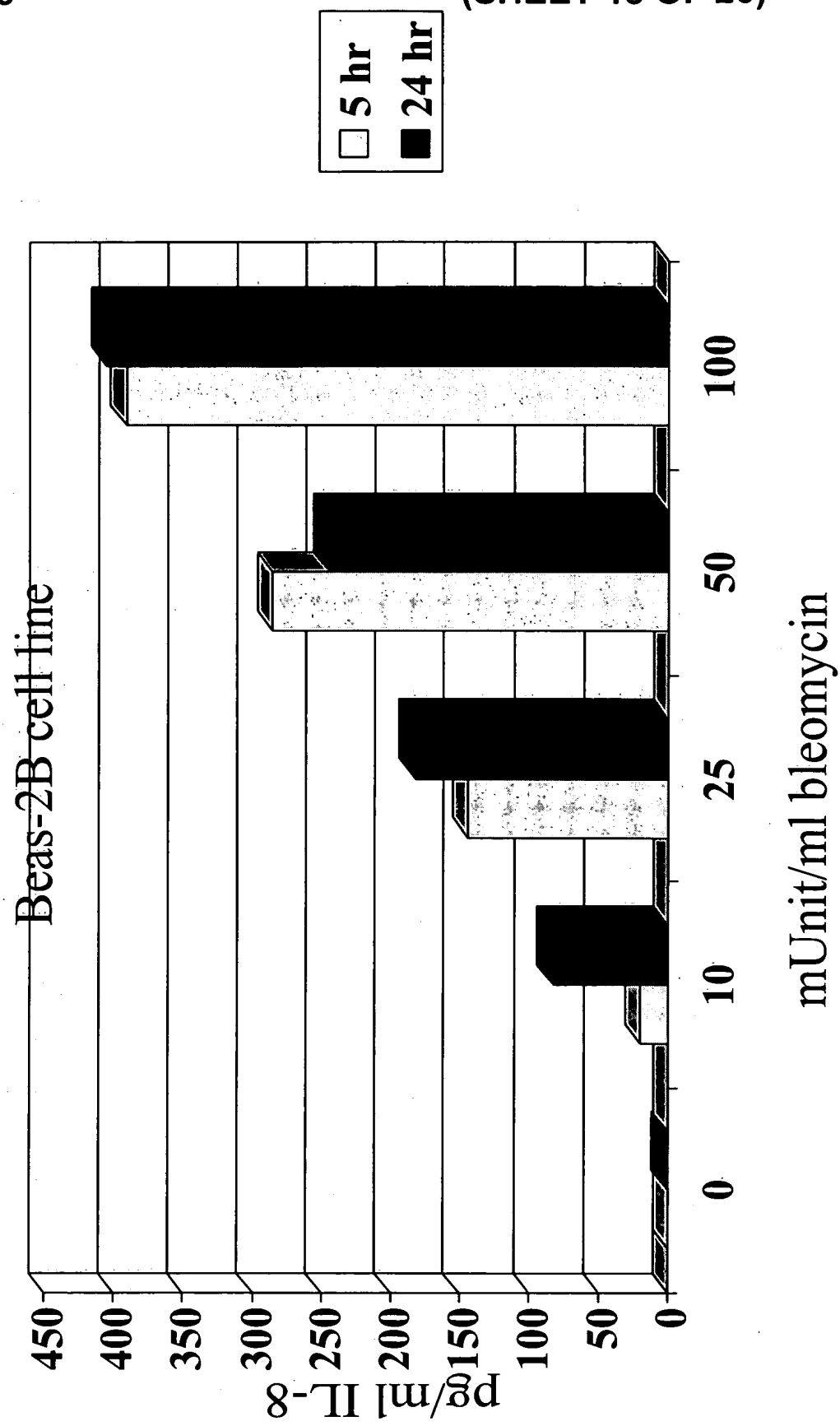


FIG. 12

# Bleomycin-damaged epithelium secretes IL-6

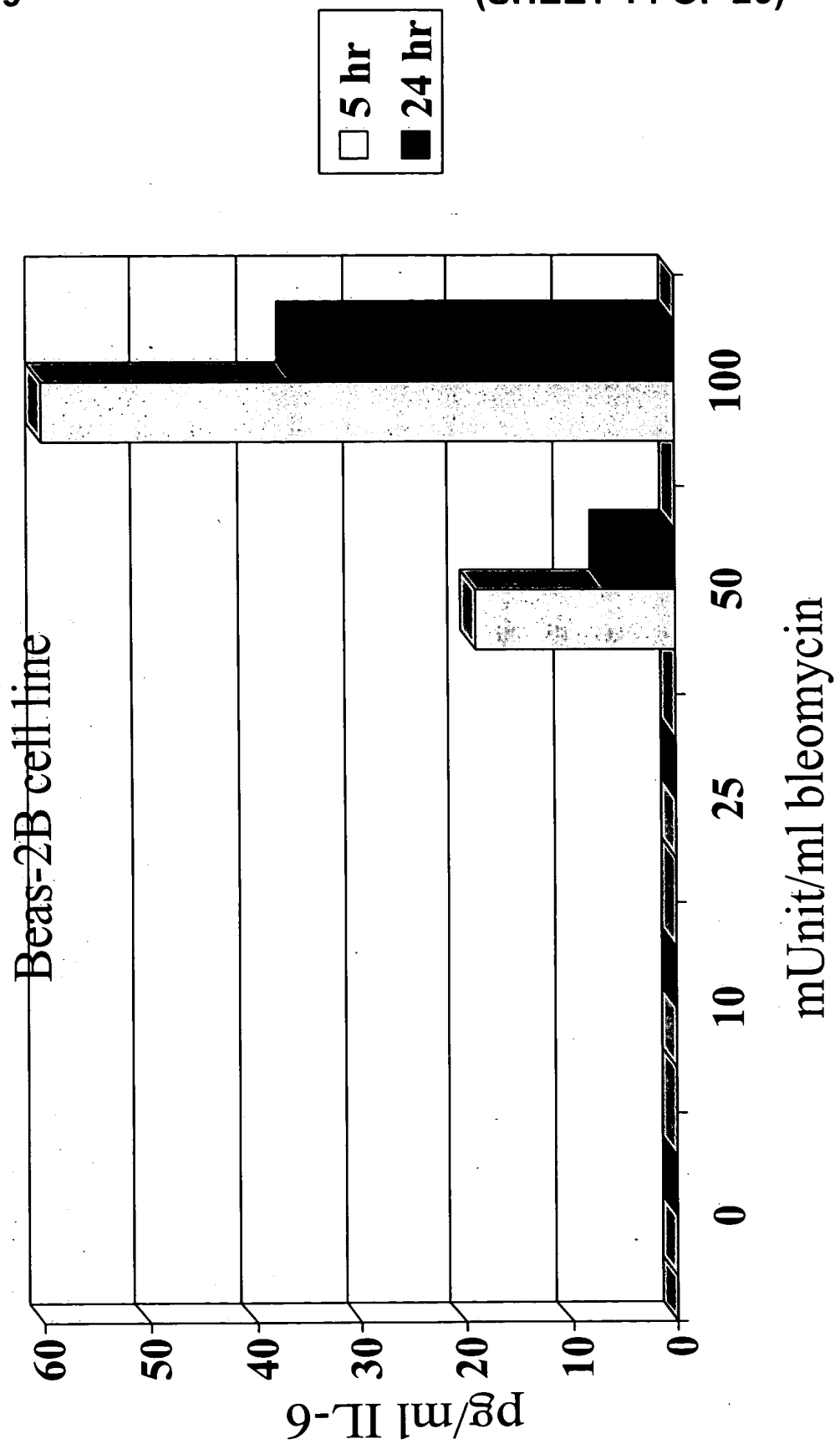


FIG. 13

Induction of Apoptosis in  
bleomycin-treated Beas-2B  
cells: Annexin V (+) / PI (-)

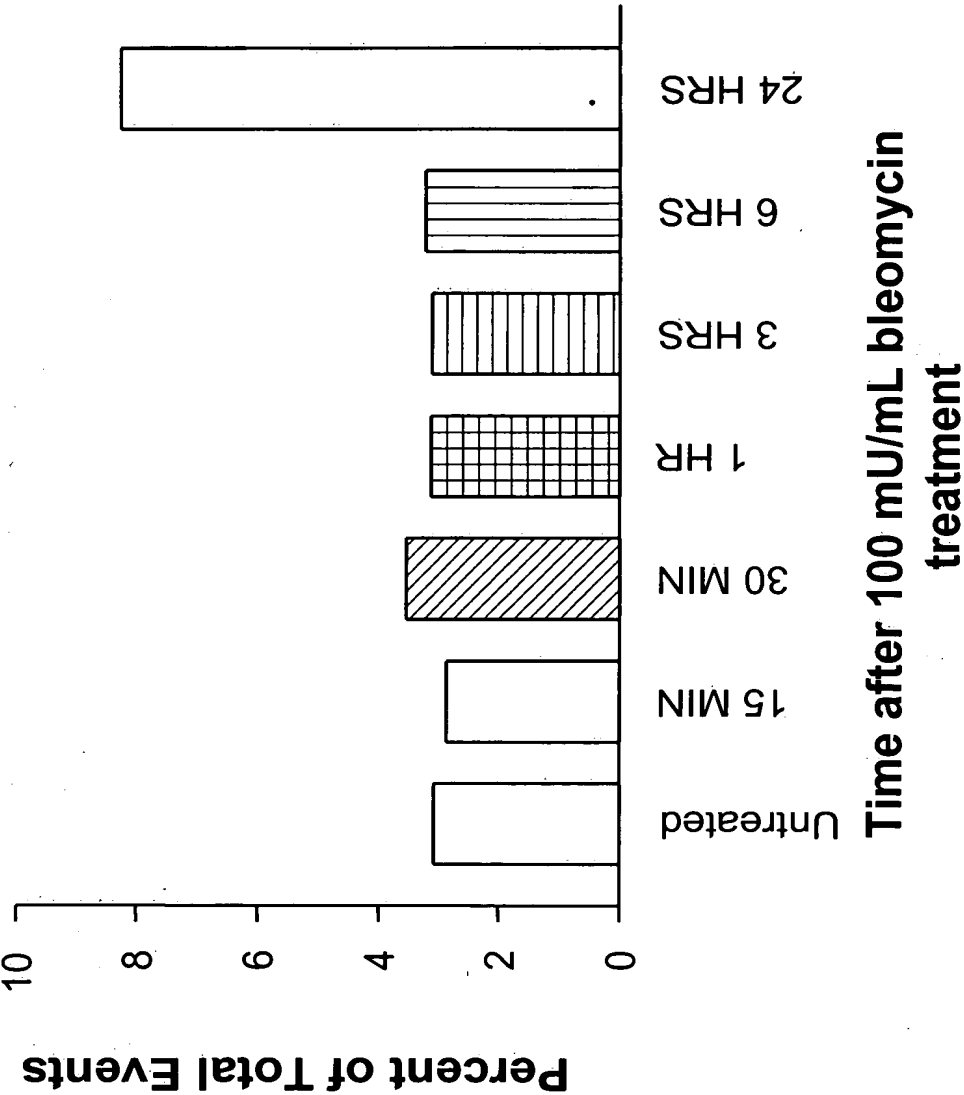
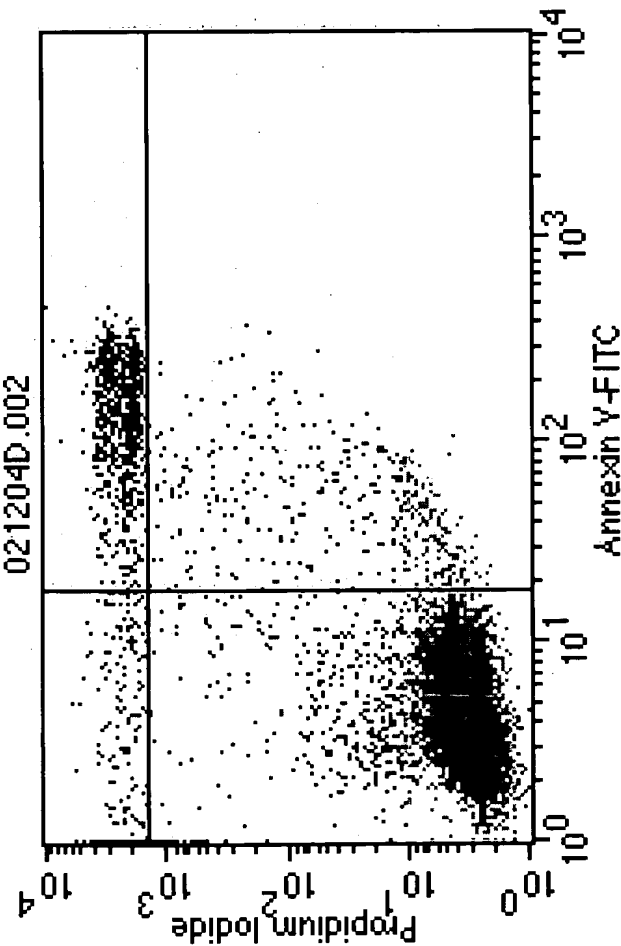


FIG. 14

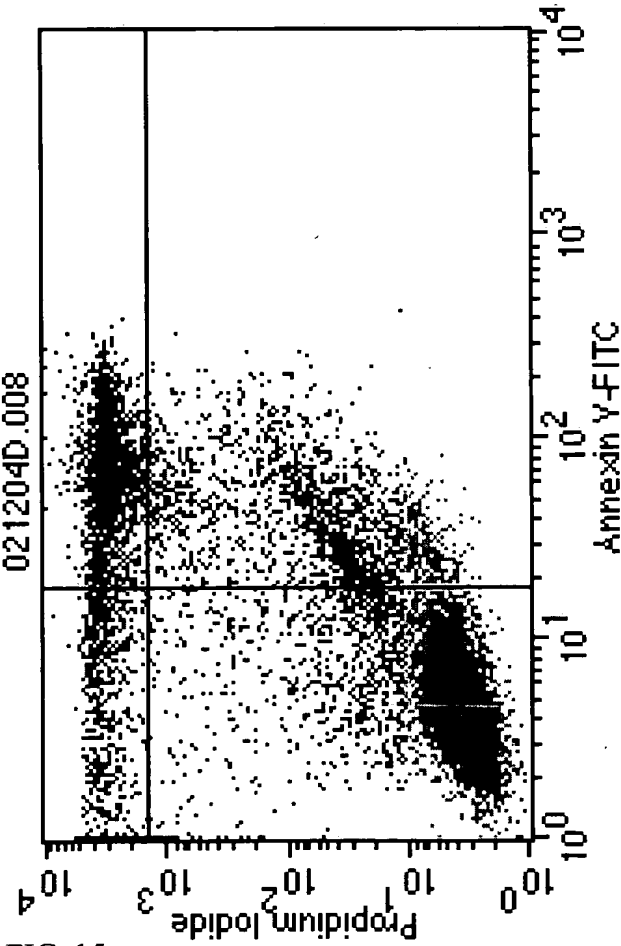




Quadrant Statistics

File: 021204D.002  
Sample ID: Double Stained Untreated  
Patient ID: BEAS-2B Cell Line  
Gate: G1  
Total Events: 12312  
Quad Location: 18, 1346

Quad	Events	% Gated	% Total	X Mean	Y Mean
UL	290	2.47	2.36	3.92	2310.72
UR	795	6.78	6.46	154.24	2446.29
LL	10233	87.29	83.11	4.72	10.75
LR	405	3.45	3.29	57.45	150.71



Quadrant Statistics

File: 021204D.008  
Sample ID: Bleomycin 100mU/ml 24h  
Patient ID: BEAS-2B Cell Line  
Gate: G1  
Total Events: 18991  
Quad Location: 18, 1346

Quad	Events	% Gated	% Total	X Mean	Y Mean
UL	894	5.79	4.71	5.47	3195.58
UR	2251	14.58	11.85	77.54	3033.96
LL	10545	68.31	55.53	5.25	16.65
LR	1748	11.32	9.20	48.67	200.16

FIG. 15

# Bleomycin Increases CD95 (Fas) Beas-2B Cells

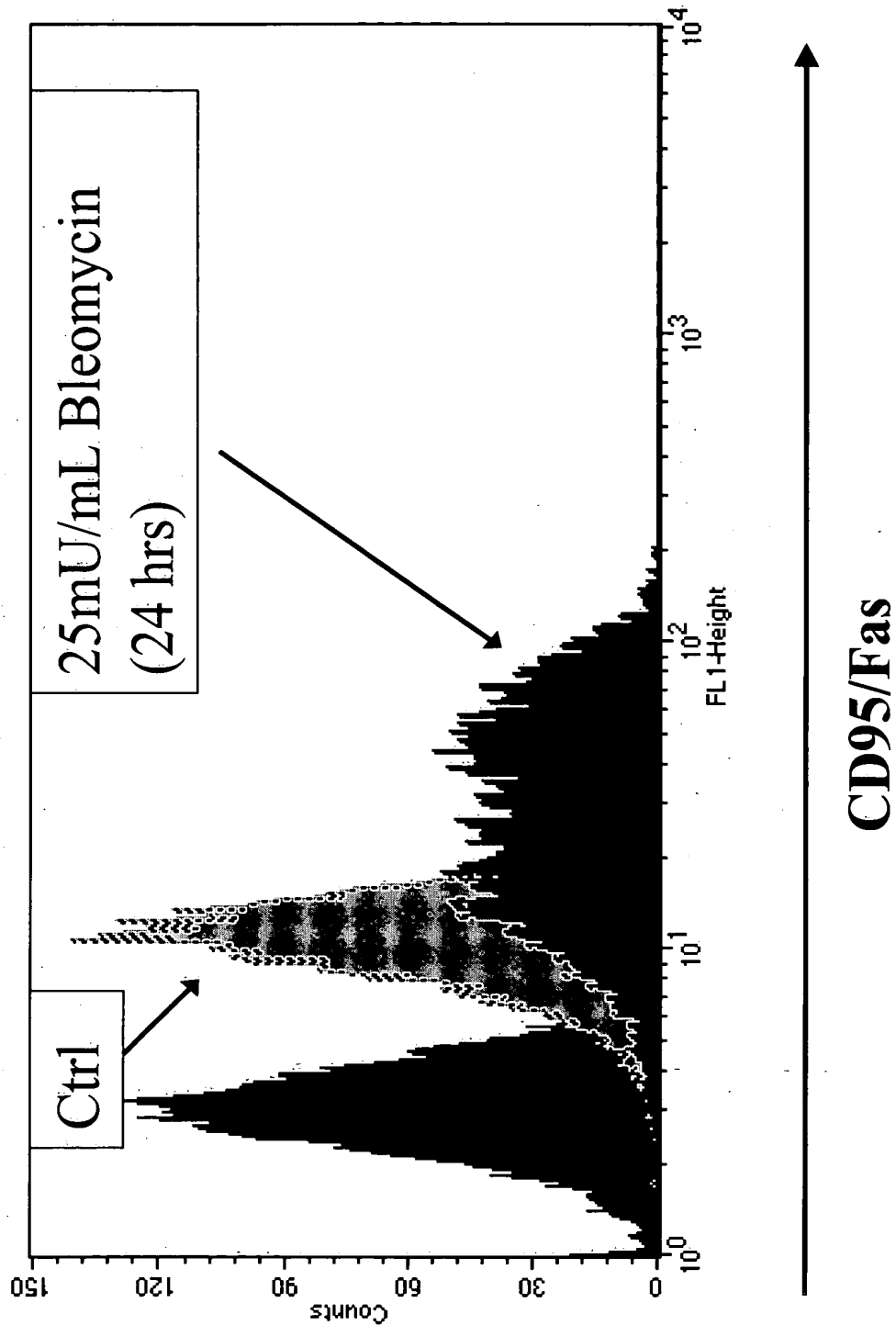


FIG. 16

**Bleomycin Upregulates EphA2  
in Beas-2B Bronchial Epithelium**

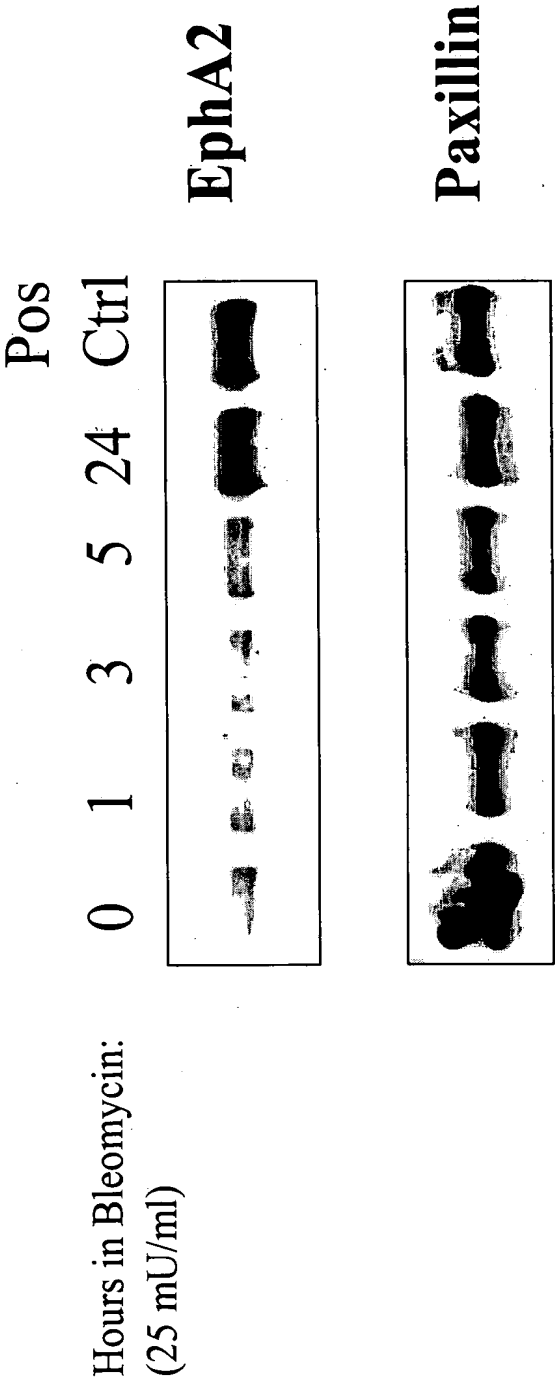


FIG. 17

# Bleomycin Increases EphA2 Surface Expression

## Beas-2B Cells

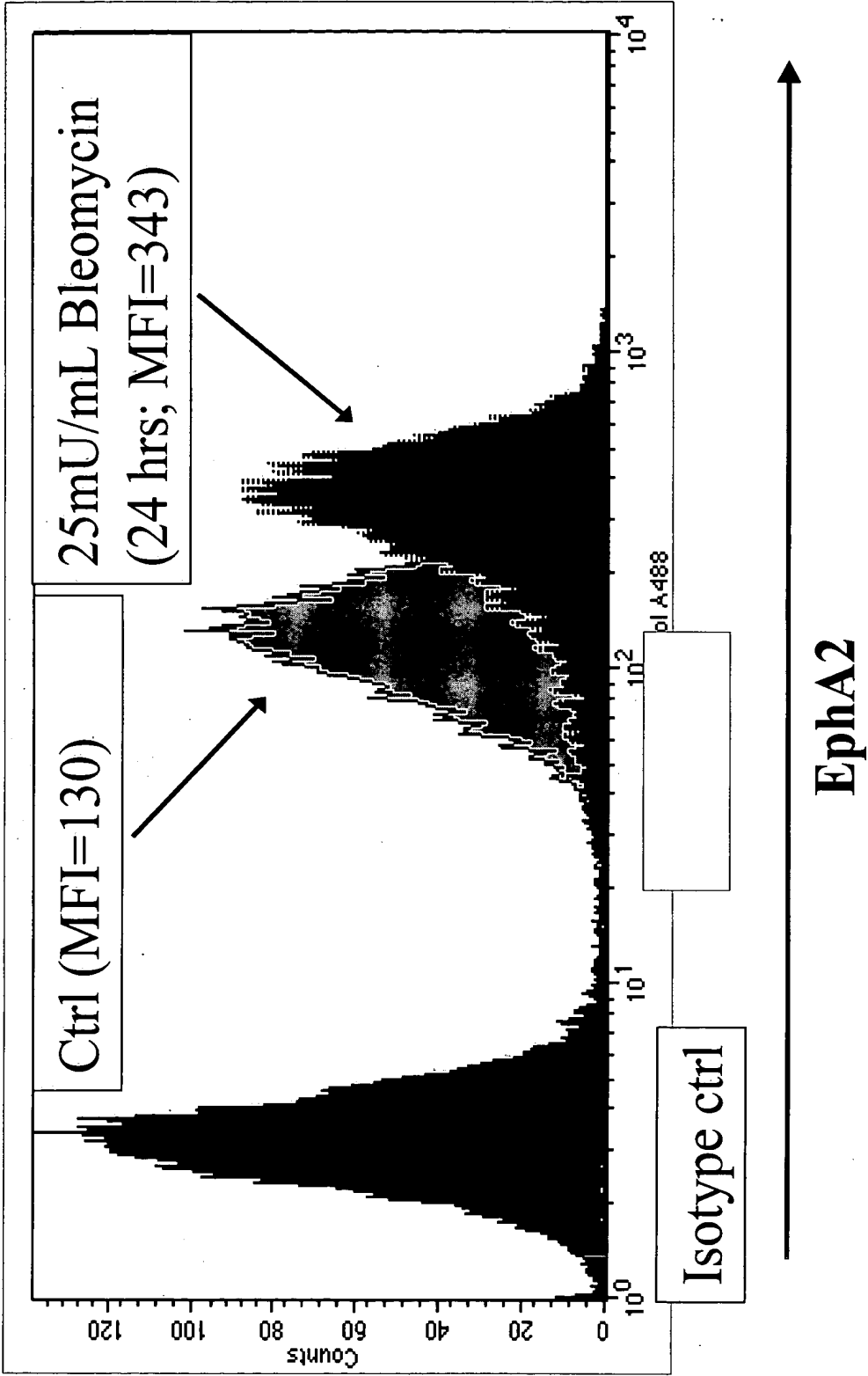
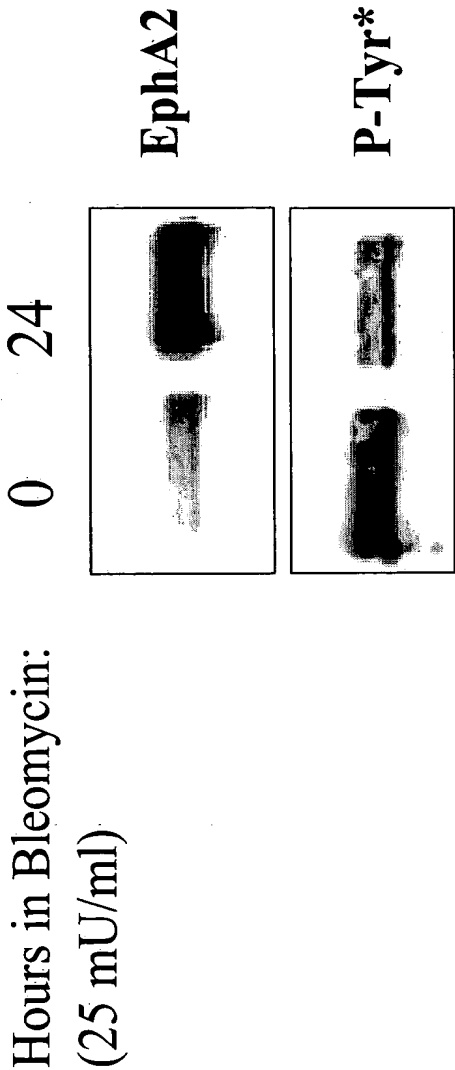


FIG. 18

# Bleomycin Induces EphA2 Overexpression and Functional Alteration



Beas2B bronchial epithelium  
\*IP: anti-EphA2 (D7)

FIG. 19